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SKYLAB - Water Depth Determination
Quarterly Progress Report
For Period 1 September 1973 to 30 November 1973

EREP Investigation 446
NASA Contract NAS9-13278

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This report describes the progress during the third quarterly period for EREP investigation 446 entitled Water Depth Determination. The objective is to use S-192 multispectral data along with S-190A and S-190B photography to determine quantitatively water depths that are hazardous to shipping.

The test sites are the western side of Puerto Rico and portions of the Great Lakes, particular Lake Michigan and Lake Erie.

ACTIVITY

Digital magnetic data tapes for the June, 1973 SKYLAB pass over Puerto Rico were ordered during the last period but have not yet been received. Enlarged prints of the S-190 photographic transparencies for this pass have been made. These include the S-190A and S-190B color photography (rolls 10 and 81) and the S-190A black and white multispectral photography (rolls 7, 8, 11, and 12).

Coast and Geodetic Survey charts 901 and 902 have been ordered and received from the National Oceanic and Atmospheric Administration. SKYLAB photography is being examined and compared with these charts to identify underwater features and respective depths for subsequent verification using the multispectral approach.

The activity during this period was held to a minimum pending receipt of computer compatible S-192 tapes.

No special problems were encountered nor were any publications issued during this period.

TRAVEL

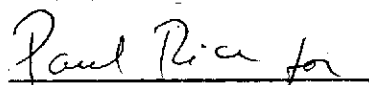
None

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